

CLAIMS

1. An ink-jet imaging apparatus which is provided with a printing head having a first circuit face having plural first electric connection points, and a carriage having a second circuit face having plural second electric connection points to be connected respectively to the first electric connection points, and which forms an image by ejecting an ink from the printing head with reciprocating movement of the carriage in a main scanning direction in accordance with image signals transmitted through the first electric connection points and the second electric connection points, wherein one of the first circuit face and the second circuit face moves to follow the other circuit face.

2. The ink-jet imaging apparatus according to claim 1, wherein the first circuit face follows the second circuit face by movement in a direction crossing the second circuit face.

3. The ink-jet imaging apparatus according to claim 1 or 2, wherein the second circuit face follows the first circuit face by movement in a direction crossing the first circuit face.

4. The ink-jet imaging apparatus according to any of claims 1 to 3, wherein the first circuit face follows the second circuit face by movement in a direction nearly parallel to the second circuit face.

5. The ink-jet imaging apparatus according to any of claims 1 to 4, wherein the second circuit face follows the first circuit face by movement in a direction nearly parallel to the first circuit face.

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6. The ink-jet imaging apparatus according to any of claims 1 to 5, wherein the apparatus comprises a contact base which has the second circuit face fixed thereon and follows the first circuit face by movement in the crossing direction, and a pushing member which is held at least between the second circuit face and the contact base and/or between the first circuit face and the printing head.

7. The ink-jet imaging apparatus according to claim 6, wherein the contact base follows the first circuit face by movement in a direction nearly parallel to the first circuit face.

8. The ink-jet imaging apparatus according to claim 6, wherein the contact base is replaced by another contact base which has the first circuit face fixed thereon and follows the second circuit face by movement in the crossing direction.

9. The ink-jet imaging apparatus according to claim 8, wherein the contact base follows the second circuit face by movement in a direction nearly parallel to the second circuit face.

See 42

10. The ink-jet imaging apparatus according to any of claims 6 to 9, wherein the contact base has a protrusion formed near the gravity center of the contact base and touching the carriage.

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11. The ink-jet imaging apparatus according to claim 10, wherein the contact base follows the first circuit face or the second circuit face by swing movement around the touching point of the protrusion touching the

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Sub B3 mid
carriage as the center.

Sub A3
12. The ink-jet imaging apparatus according to any of claims 6 to 9, wherein the carriage has a protrusion to touch the contact base at or near the gravity center of the contact base.

13. The ink-jet imaging apparatus according to claim 12, wherein the contact base follows the first circuit face or the second circuit face by swing movement around the touching point of the protrusion touching the contact base as the center.

Sub A4
14. The ink-jet imaging apparatus according to any of claims 6 to 11, wherein the first circuit face or the second circuit face confronting the pushing member is flexible.

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